

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently amended) A composition adapted for application to ruminant feed to increase the phosphorus digestibility of the feed by the ruminants, comprising:

a miscible product containing:

an exogenous phytase enzyme; enzyme and
an exogenous cellulase enzyme; enzyme; and
water.

2. (Original) The composition of claim 1, wherein the exogenous cellulase enzyme comprises a *Trichoderma viride* cellulase enzyme.

3. (Currently amended) The composition of claim 1, wherein said composition further comprises exogenous pectinase, exogenous beta-glucanase, exogenous amylase and hemicellulase enzymes.

4. (Original) The composition of claim 3 wherein the sources of the exogenous enzymes include one or more fermentation extracts selected from the group consisting of a *Trichoderma viride* fermentation extract, an *Aspergillus niger* fermentation extract, a *Bacillus subtili* fermentation extract, and an *Aspergillus oryzae* fermentation extract.

5. (Currently amended) A method of increasing phosphorus digestibility of ruminant feed comprising the steps of:

treating the feed with an a dry exogenous phytase enzyme and with an a dry exogenous cellulase enzyme formulation; and
feeding the treated feed to ruminants.

6. (Original) The method of claim 5 further comprising the step of: treating the feed with one or more exogenous enzyme selected from the group consisting of an exogenous pectinase enzyme, an exogenous beta-

glucanase enzyme, an exogenous amylase enzyme and an exogenous hemicellulase enzyme.

7. (Original) The method of claim 6, wherein the feed treatment steps are performed (a) sequentially in any order, (b) separately but concurrently, (c) by combining all of said enzymes prior to the treating steps, or (d) by combining two or more of said enzymes prior to the treating steps.

8. (Original) The method of claim 6 wherein the feed includes corn.

9. (Original) The method of claim 6 wherein the ruminants comprise dairy cows.

10. (Original) The method of claim 6 wherein the ruminants comprise beef cattle.

11. (New) An enzyme composition adapted to be applied to ruminant feed in a dry state for increasing the phosphorus digestibility of the feed by ruminants, the enzyme composition consisting essentially of:

· a dry exogenous phytase enzyme adapted to be applied to the ruminant feed in a dry state; and

· a dry exogenous cellulase enzyme adapted to be applied to the ruminant feed in a dry state.

12. (New) The enzyme composition of claim 11, wherein the exogenous cellulase enzyme comprises a *Trichoderma viride* cellulase enzyme.

13. (New) The enzyme composition of claim 11, wherein said composition further comprises exogenous pectinase, beta-glucanase, amylase and hemicellulase enzymes.

14. (New) The enzyme composition of claim 13 wherein the sources of the exogenous enzymes include one or more fermentation extracts selected from the group consisting of a *Trichoderma viride* fermentation extract, an *Aspergillus niger* fermentation extract, a *Bacillus subtili* fermentation extract, and an *Aspergillus oryzae* fermentation extract.

15. (New) A method of increasing phosphorus digestibility of ruminant feed comprising the steps of:

treating the feed with a miscible composition containing:

an exogenous phytase enzyme,
an exogenous cellulase enzyme, and
water; and

feeding the treated feed to ruminants.

16. (New) The method of claim 15 further comprising the step of:
treating the feed with one or more exogenous enzyme selected from the group consisting of an exogenous pectinase enzyme, an exogenous beta-glucanase enzyme, an exogenous amylase enzyme and an exogenous hemicellulase enzyme.

17. (New) The method of claim 16, wherein the feed treatment steps are performed (a) sequentially in any order, (b) separately but concurrently, (c) by combining all of said enzymes prior to the treating steps, or (d) by combining three or more of said enzymes prior to the treating steps.

18. (New) The method of claim 16 wherein the feed includes corn.

19. (New) The method of claim 16 wherein the ruminants comprise dairy cows.

20. (New) The method of claim 16 wherein the ruminants comprise beef cattle.